

**18b**  
**VA**

m o v a b l e

**VAUGHAN WALLS**

*of solid  
laminated  
gypsum panels*



**A MAJOR ADVANCE IN MOVABLE PARTITIONS**

VAUGHAN WALLS<sup>°</sup> are a new approach to movability. They combine the sound and fireproof properties with the clean appearance of fixed walls, yet are fully mobile and salvageable, and far simpler, less costly than older systems . . . because they are job-laminated, of panels manufactured to VAUGHAN specifications, from the most functional of building materials, gypsum.



A proven product, VAUGHAN WALL's many years of research and development have made it the only established system of its kind. VAUGHAN workmen have installed millions of square feet in distinguished structures throughout the country, designed by some of the nation's leading architects.



It is uniquely adaptable. Of any height up to twelve feet, VAUGHAN WALL requires no filler panels or modular posts — thus permitting complete freedom in design, with doors and other openings at any point without regard for modules. Its distinguished panelled surface adapts to any decor, any material — wood, vinyl, fabric and others, as well as the more conventional paint — and can be refinished at will.

It provides for any degree of electrical wiring — using standard components — with outlets at any desired interval.





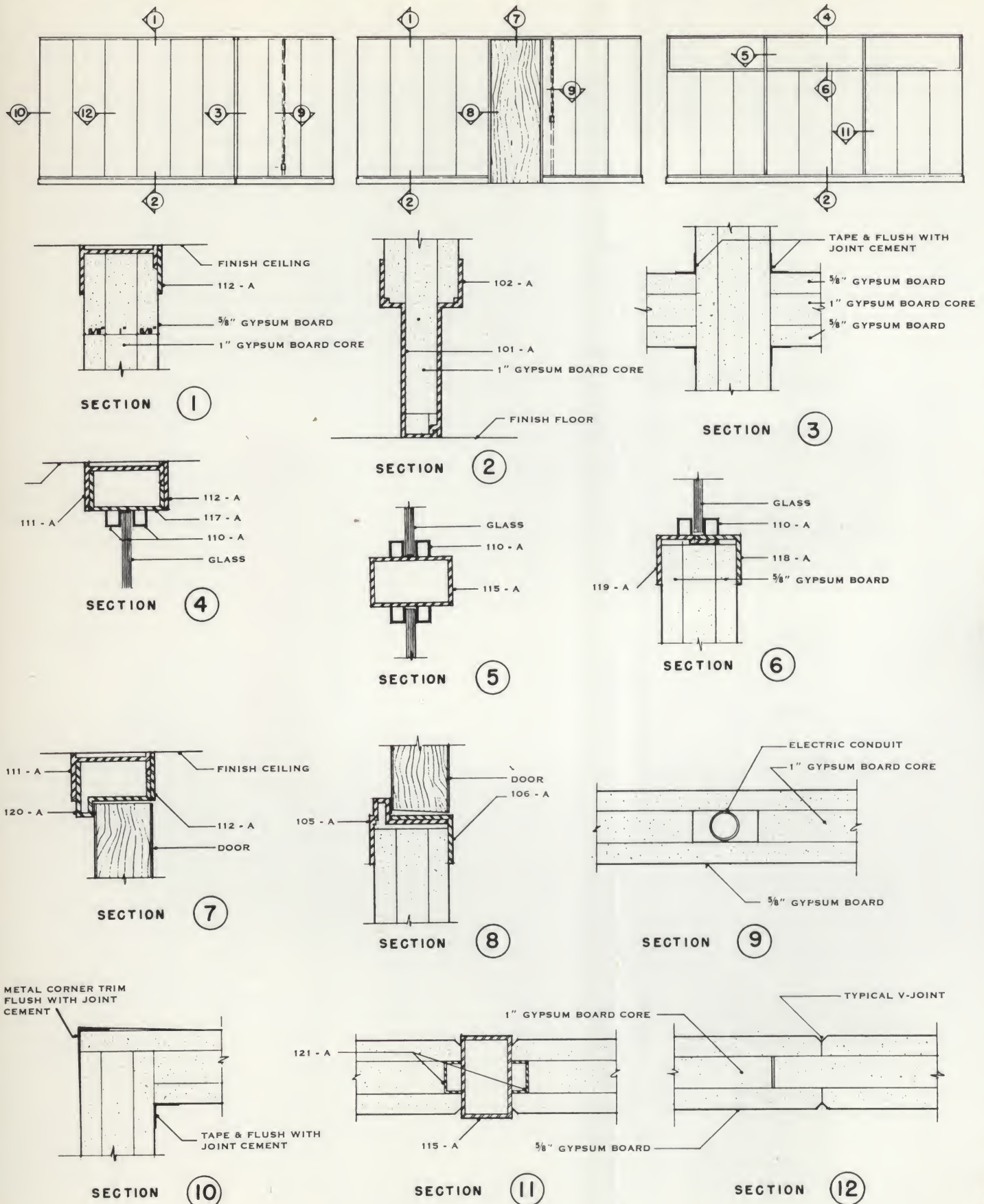


Adaptable, job-proven, with the properties as well as the clean appearance of fixed walls, three-layer VAUGHAN WALLS have basic functional advantages over older types. These include a full one-hour fire resistance rating and a sound-transmission loss rating of more than 40 decibels. They have the monolithic strength, solidity and safety that is possible only with laminated walls made of  $2\frac{1}{4}$  inches of fireproof gypsum. (Using the same materials but with smooth taped joints and the consequent sacrifice of mobility, a two-hour fire rating can be achieved.)



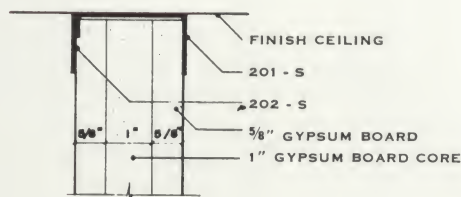
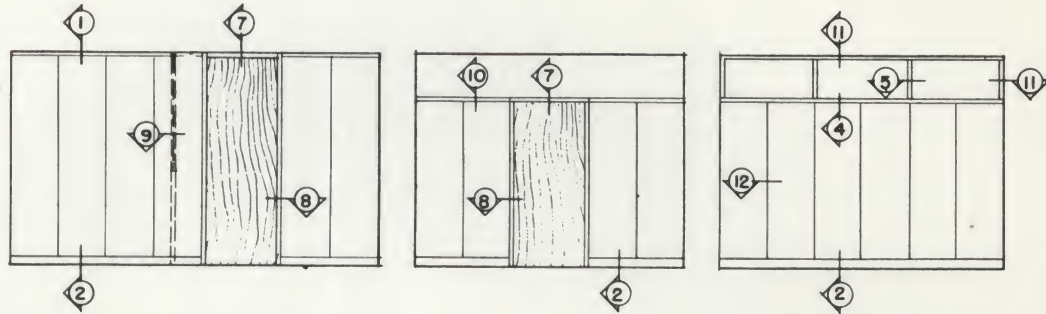
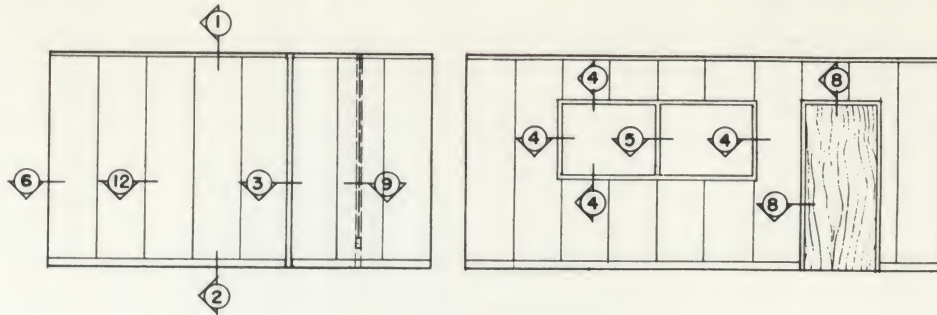
VAUGHAN WALL is a complete system, and the VAUGHAN organization provides a complete service. All hardware, doors and window frames — steel, aluminum or wood — are furnished. Since no manufacturing time is required, installation begins without delay. VAUGHAN WALLS are not only faster but much simpler to specify, contract and install, requiring only one organization, one operation, to accomplish. Its services extend from architectural detailing to relocation of walls, when interiors are redesigned.

# VAUGHAN WALL DETAILS - EXTRUDED ALUMINUM

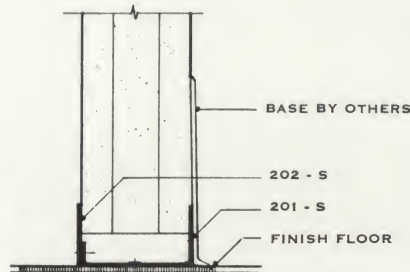




# STEEL APPLICATION - TYPICAL DETAILS

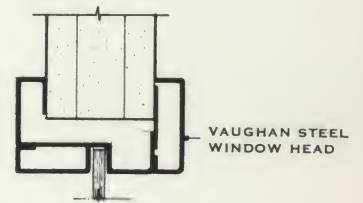


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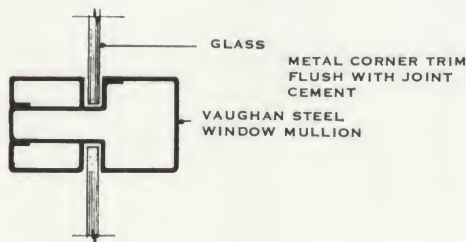


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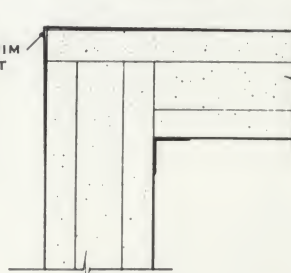
SECTION 3 SAME AS ALUMINUM APPLICATION



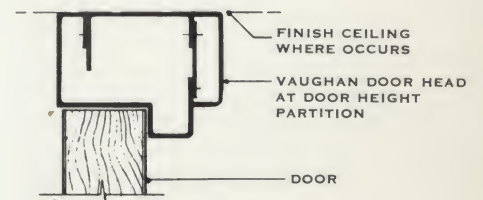
SECTION 4



SECTION 5

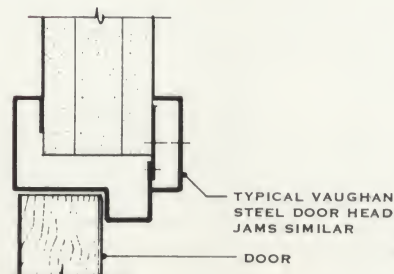


SECTION 6

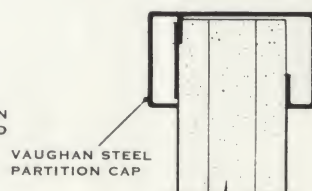


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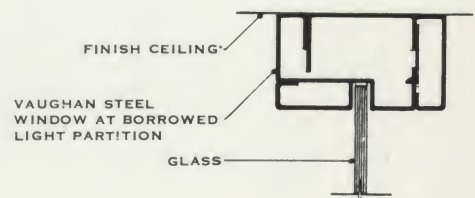
SECTION 9 SAME AS ALUMINUM APPLICATION



SECTION 8



SECTION 10



SECTION 11

SECTION 12 SAME AS ALUMINUM APPLICATION



## SPECIFICATIONS FOR

m	o	v	a	b	l	e
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## VAUGHAN WALLS

**NOTE TO ARCHITECTS** — At your option, the furnishing and installation of base trim, doors, door-mates, hardware, glass, glazing and painting pertinent to the movable partition may be made a part of this specification. If you exercise this option, such work should be so specified as to its requirements in the partition section.

### I. GENERAL

All movable VAUGHAN WALLS shall be installed by an Authorized Erector. Temperatures within the building shall be above a constant minimum of 40 degrees Fahrenheit during the lamination and erection of partition panels. When required, heat shall be furnished by others. Erection of partition panels shall not begin until erection of exterior walls and glazing or temporary covering of exterior openings provides complete protection from outside weather. Core units and face panels shall not be stored where they will be subjected to continuous or extreme exposure to excess moisture or temperature extremes.

### II. WORKMANSHIP

VAUGHAN WALLS shall be installed by skilled craftsmen under the supervision of an individual who has had on-the-job training satisfactory to USG and VAUGHAN. Complete partitions shall be fully movable, rigid, plumb, clean, free from defects and ready for decoration.

### III. SCOPE

The Authorized Erector shall furnish all labor, materials and equipment necessary to install movable VAUGHAN WALLS in accordance with the plans and as specified herein.

### IV. MATERIALS

Partition Panels shall be jig-laminated to form 24" wide panels; they shall consist of VAUGHAN WALLS parts including 1" Gypsum Coreboard faced both sides with  $\frac{5}{8}$ " Gypsum Face Panels (Firecode Type) as manufactured specifically for this purpose by United States Gypsum Company. Panel thickness shall be  $2\frac{1}{4}$ ". (Other widths and thicknesses are available.)

Metal Components shall be furnished by the Authorized Erector and shall comply with standards approved by VAUGHAN.



a. Steel

- (1) Floor and ceiling runners and closure plates shall be roll formed from paint lock type steel of not less than the following gauges:

Runners	18 gauge
Closures	16 gauge

- (2) Door and window frames shall be two-piece hollow metal construction. Metal components shall be fabricated of steel of not less than the following gauges:

Frames	16 gauge
Closures	14 gauge
Hinge reinforcements	9 gauge
Strike reinforcements	12 gauge

All door and window frames shall receive a factory prime coat of paint.

- b. Aluminum shall be extruded from 6063-T5 alloy, anodized satin finish. Commercial tolerances shall apply. Minimum thickness shall be .125", except (a) glazing stops which are .031" and (b) ceiling runners and closure plates which are a combination of .094" and .125". Fasteners shall be aluminum, or cadmium plated, when exposed.

Adhesive shall be VAUGHAN WALLS Brand Cement. Finishing accessories (reinforcing tapes, joint cement, filling compound and metal corner beads) shall be as manufactured by United States Gypsum Company.

V. INSTALLATION

The partitions shall be accurately laid out, and the floor and ceiling runners securely anchored. Such attachment shall assure complete security of the partition and future removal and relocation without excessive damage to the floor or ceiling construction.

Gaskets (foam type polyethylene or similar) shall be installed between all ceiling runners and ceiling surfaces and elsewhere as required by job conditions. Such gaskets shall be 1 $\frac{3}{4}$ " wide and with minimum thickness of  $\frac{1}{8}$ " for steel installations and 3/16" for aluminum installations.

Filler blocks shall be of  $\frac{5}{8}$ " gypsum wallboard cut to size and laid in all floor runners.

Partition panels shall be formed and laminated in special jigs to insure a constant dimension at the tongue and groove. Panels shall be installed in floor and ceiling runners to form tight joints with true vertical and horizontal alignment.

Door and window frames shall be assembled level and plumb at locations indicated on the plans.

Closure plates shall be screwed securely to short legs of floor and ceiling runners. Full length closure plates shall be used where practical. Cut ends shall be square and clean, fitting neatly to adjacent plates, trim, door frames, etc.

Joint cement shall be applied to beveled joints of panels, to insure proper bridging of paint. Excess cement shall be wiped from the joint, leaving the true "V" bevel.

Metal corner bead shall be securely installed at all external corners. Not less than two coats of joint cement shall be applied over beads and each coat feathered out onto panel faces.

Reinforcing tape and joint cement shall be applied as recommended by the United States Gypsum Company to all internal corners and intersections where flush finishing is desired or metal trim is not specified.





VAUGHAN WALL IS AN ESTABLISHED, PROVEN SYSTEM. MILLIONS OF FEET  
 HAVE BEEN INSTALLED (THERE ARE MORE THAN TEN MILES OF VAUGHAN  
 WALL IN THOMPSON RAMO WOOLDRIDGE PROJECTS ALONE). FOLLOWING  
 — WITH THEIR LOCATION AND DESIGNERS, INCLUDING MANY OF THE NATION'S  
 LEADING ARCHITECTS—IS A PARTIAL LIST OF STRUCTURES USING VAUGHAN WALLS.

The Continental Co. Building, Los Angeles, Claud Beelman / Smith, Powell & Morgridge, Los Angeles, Smith, Powell & Morgridge / El Noran Corp. Building, Santa Ana, Kenneth Lind / A. C. Martin & Associates Building, Los Angeles, A. C. Martin / Belcher Building, Long Beach, F. J. Heusel / Ohrbach Building, Los Angeles, Henry Sylvestri / Ohio Oil Building, Los Angeles / Overly Mfg. Co. Building, Los Angeles / Broadway Savings & Loan, Los Angeles / State Building, Los Angeles / Jones Bednar Building, Los Angeles / Ramo-Wooldridge Corp., 6 Buildings, Hawthorne, A. C. Martin / Union Oil Building, Los Angeles, Pereira & Luckman / Texas Company Building, Los Angeles, Welton Becket & Associates / Riverside Junior College, Riverside, Herman Ruhnau / Riverside Plaza, Riverside, Arthur Jacobson / Rancho San Vicente Building, West Los Angeles, Candrea & Jarrett / Redwood Building, Palo Alto / First Western Building, San Francisco, Douglas Stone / Fibreboard Building, San Francisco / University of California (A.E.C.), Livermore / First Western Building, Oakland, Douglas Stone / Peninsula Hospital, Burlingame, Douglas Stone / Kaiser Building, Oakland, Welton Becket / U. S. Gypsum Co., Building, Los Angeles / First Western Bank & Trust, Garden Grove, Bennett & Bennett / Collier Carbon & Chemical, Los Angeles, Richard Shelley / Security Federal Savings, Los Angeles, Ronald A. White / Turco Products, Inc., Los Angeles, L. W. Davidson / Antelope Valley Joint Union High School, Antelope Valley, H. L. Gogerty / Van Nuys Building, Los Angeles / Vandenberg Air Force Base, Lompoc, Hugh Gibbs / Fort Huachuca, Tucson, Ernest Lee / Daystrom Systems, La Jolla, John J. Moore Co. / Linde Building, Beverly Hills, Paul Williams / American Trust, San Francisco, George F. Ashley / Municipal Courts, Albany / Eliot Junior High School, Pasadena, Keith P. Marston / Surety Life Insurance Co., Salt Lake City, Slack W. Winburn / I.B.M. Building, Los Angeles, Charles Luckman & Associates / C.B.S., Los Angeles, Pereira & Luckman / Schiro Medical Building, Malibu / Buckeye Building, Beverly Hills / Proctor & Gamble, Long Beach / Gibraltar Savings & Loan, Beverly Hills, Pereira & Luckman / Lincoln Savings & Loan, Los Angeles, C. M. Deasey / Rand Corporation, Santa Monica / Huntington Memorial Hospital, Pasadena / Thormin, Haynes & Associates / Causey & Rhodes Medical Building, Glendale / Luckman & Associates Office, Los Angeles, Luckman & Associates / California Int. Telephone Co., Bishop, Allison & Rible / Thompson Ramo-Wooldridge, Canoga Park, A. C. Martin / Cedars of Lebanon Hospital, Los Angeles, Faxon, Gruys & Sayler / Pasadena High School, Pasadena, Zimmerman & Howell / First National Bank of Portland, Portland, Stanton, Boles, Maguire & Church / Central Plaza Building, Phoenix, Charles Polacek / Allesandro Junior High School, Riverside, Balton C. Moise Jr. / Env. Simulation Building (Navy), Point Mugu, Holmes & Narver / La Jolla Art Center, La Jolla, Mosher & Drew / Security First National Bank, Los Angeles, Welton Becket / Eastern Columbia Building, Los Angeles / Gluck Office Building, Reseda / Barker Bros., Los Angeles, A. C. Martin / Ramo Wooldridge, Beverly Hills / Young Electric Building, Los Angeles, Thorman & Baynes / Jergins Trust Building, Long Beach / E. I. Noxen Office Building, Los Angeles, Robert Muncaster / Statler Hotel (office building), Los Angeles / A. C. Martin, San Diego, A. C. Martin / Sixth & Ardmore Building, Los Angeles / Palmdale High School, Palmdale, H. L. Gogerty / General Telephone Building, Oxnard, A. C. Martin / Zurlo Office Building, Beverly Hills / Municipal Court Building, Berkeley / Space Technology Laboratories, El Segundo, A. C. Martin / U. C. Administration Building, Riverside, Allison & Rible / Southern Bell Telephone Headquarters Building, Nashville, Tenn. / Travelers Insurance, Hartford, Conn., C. H. Sprague & Sons / Collins Radio Co., Building, Burbank

**VAUGHAN** interior **WALLS** Inc.

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11681 San Vicente Boulevard • Los Angeles 49, California

GRanite 8-1246

JUno 8-5246

447 South Canal Street • South San Francisco, California

POplar 1-2727



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 Becket & Associat  
 Jacobson / Rancho  
 First Western Buil  
 (A.E.C.), Livermor  
 Stone / Kaiser Buil  
 & Trust, Garden G  
 Federal Savings, L  
 Joint Union High S  
 Base, Lompoc, Hu  
 Linde Building, Be  
 Albany / Eliot Juni  
 Winburn / I.B.M. I  
 Schiro Medical Bu  
 Savings & Loan, B  
 Corporation, Santa  
 Rhodes Medical B  
 Int. Telephone Co.  
 Lebanon Hospital,  
 First National Ban  
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 Point Mugu, Holm  
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 Los Angeles, A. C.  
 Baynes / Jergins T  
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 / Palmdale High S  
 Building, Beverly  
 Martin / U. C. Adr  
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